WO 2005/073194 PCT/HR2005/000005

## **CLAIMS**:

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1. Crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid having characteristic X-ray powder diffraction peaks, designated by 2 $\theta$  and expressed in degrees, at  $6.5\pm0.2^{\circ}$ ,  $10.0\pm0.2^{\circ}$ ,  $15.5\pm0.2^{\circ}$ ,  $18.3\pm0.2^{\circ}$ ,  $20.4\pm0.2^{\circ}$  and  $24.6\pm0.2^{\circ}$ .

- 2. The crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid according to claim 1, characterized by a monoclinic space group P 2, and by displaying unit cell parameters comprising: crystal axis lengths of  $a = 7.95 \pm 0.02$  Å,  $b = 21.94 \pm 0.02$  Å,  $c = 17.95 \pm 0.02$  Å and an angle between the crystal axes of  $\beta = 100.03 \pm 0.02^{\circ}$ .
- 3. The crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid according to claim 1 or 2, characterized in that it is provided with a purity of greater than 90.0%, preferably greater than 95%, preferably greater than 99%, preferably greater than 99,9%.
- 4. A process for preparing the crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)+thenyl)-3-(2-(1-hydroxy-1-methylethyl)+phenyl) propyl)thio)methyl)cyclopropane acetic acid according to any one of claims 1 to 3, comprising the steps
- dissolving a salt of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)-thenyl)-3-(2-(1-hydroxy-1-methylethyl)) propyl)thio)methyl)cyclopropane acetic acid in a solution A comprising at least one organic solvent,
- converting the salt of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)) propyl)thio)methyl)cyclopropane acetic acid into acid,
- crystallizing the 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid, and
- optionally isolating the crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid.
- 5. The process according to claim 4, characterized in that the converting step is carried out with a solution B comprising at least one aqueous solution and a chromatographic column, respectively.

WO 2005/073194 PCT/HR2005/000005

6. The process according to claim 5, characterized in that the dissolving step and converting step are carried out together in a mixture comprising solution A and solution B, preferably in a ratio solution B: solution A of 1:10 to 10:1.

- 7. A process according to claim 5, characterized in that the 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)) propyl)thio)methyl)cyclopropane acetic acid is eluted from the column with the solution A comprising at least one organic solvent.
- 8. Amorphous form I of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid having a

  10 characteristic DSC thermogram with two endothermic peaks, one at between 43°C and 53°C, preferably between 47°C and 49°C, preferably at 48°C and one at between 143°C and 153°C, preferably between 147°C and 149°C, preferably at 148°C and further having one exothermic peak at between 86°C and 96°C, preferably between 90°C and 92°C, preferably at 91°C.
- 9. A process for preparing the amorphous form I of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid according to claim 8, comprising grinding the crystal form of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid.
  - 10. Amorphous form II of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid having a characteristic DSC thermogram as shown in Fig. 9.
    - 11. The process for preparing the amorphous form II of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl) propyl)thio)methyl)cyclopropane acetic acid according to claim 10, comprising
- providing a suspension of the crystal form of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl)
  propyl)thio)methyl)cyclopropane acetic acid, or a salt thereof, in an acidic aqueous solution and
  - isolating said amorphous form II.

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WO 2005/073194 PCT/HR2005/000005

12. A pharmaceutical composition comprising the crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl)propyl)thio) methyl) cyclopropane acetic acid according to any one of claims 1 to 3, the amorphous form I according to claim 8, and/or the amorphous form II according to claim 10, and one or more pharmaceutically acceptable carriers or excipients.

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13. Crystalline 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyl)ethenyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl)propyl)thio)methyl) cyclopropane acetic acid according to any one of claims 1 to 3, the amorphous form I according to claim 8, and/or the amorphous form II according to claim 10, for the use of treating asthma in a human.